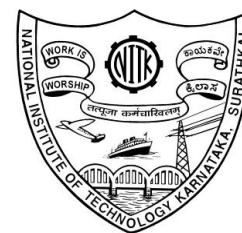


NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
Mangalore- 575025, Karnataka State

INFORMATION BULLETIN

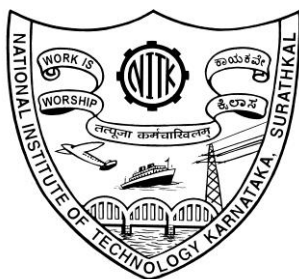


**Admission to
M.Sc (Chemistry and Physics) Programmes 2017-2018**

Website: www.nitk.ac.in
Fax : 91-0824-2474033

EPABX : 2474000-2474023
E-Mail : deanacad@nitk.ac.in

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CONTENTS

	Page No.
1. The Institute	1
2. Location	1
3. Self-Contained Residential Campus	1
4. Computing Facilities and Campus Network	1
5. Library Facilities	2
6. Courses of Study	2
7. Minimum Qualifications/Eligibility	2
8. Selection Procedure	2
9. Intake	2
10. How to Apply	3
11. Documents to be Produced	3
12. Sponsored Candidates	4
13. Fees and Deposits	4

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

1. The Institute:

The National Institute of Technology Karnataka (NITK), Surathkal is rated as one of the top Institutions in India. Since its inception in 1960 as the Karnataka Regional Engineering College, the Institute has established itself as a premier center engaged in imparting quality technological education and providing support to research and development activities. The Government of India as per the NIT Act 2007 declared NIT as Institute of National Importance. The Institute is governed by the rules and status of the NIT Act. The Institute has a long tradition of research for several years in both traditional and modern areas of engineering and sciences in all departments. The Institute has been actively involved in application oriented research focussed in resolving problems faced by the society in several areas like environment, water resources, rock mechanics, new structures, VLSI, etc. NITK attracts students from all over the country and abroad. The Institute admits students to the B.Tech degree program on the basis of the Joint Entrance Examination (JEE Mains). Foreign students are admitted on various student exchange programs through MEA, ICCR, etc. and scheme of Direct Admission to Students Abroad (DASA). Scholarship seats for M.Tech programs are awarded on the basis of the Graduate Aptitude Test in Engineering (GATE) and a few seats are available for sponsored students. The institute admits students to MCA Program on the basis of NIMCET, admission to MBA is made on the basis of CAT/GMAT score and for M.Sc Program admissions are made based upon the academic performance and written aptitude test conducted by the Institute. Every year the Institute offers 150 Ph D fellowships and also admits sponsored/external candidates to the doctoral program. NITK graduates are sought after by top industries/companies and the Institute has been rated as one of the best Institutions in the country with regard to student placements.

2. Location:

NITK is located in Mangalore City along the Kanyakumari-Mumbai National Highway 66. It is well connected by road, rail and by air to major cities in India and a few international destinations. The Institute is located amid 300 acres of sylvan surroundings with the picturesque Western Ghat Mountains on the east and the sun-kissed sands of the Arabian Sea to the west. The Mangalore (Bajpe) airport and the Mangalore Railway Station are about 20 kms. away from the Campus, while Surathkal Railway Station is about 3 kms. away from the campus. The campus is located far away from the din and bustle of a city and is very conducive for academic activities. The climate throughout the year is equitable and has temperature range of 18 to 38° Celsius. The campus being on the sea shore, is blessed with clean air and healthy climate.

3. Self-Contained Residential Campus:

The Institute is a residential Institution with adequate hostel facilities for boys and girls. All the students are expected to stay in the Institute hostels. To suit the tastes of the students from different regions, independent messes of various types are run in different hostels. The amenities include 11 Hostel blocks for boys & 8 hostel blocks for ladies with all basic amenities. A good number of faculty quarters provide ample opportunity to draw upon benefits of campus life. Vast stretches of play fields, a swimming pool, a gymnasium, a central library, a well equipped Health Care Centre, post office, branches of State Bank of India and Canara Bank, both with A.T.M facilities and two canteens are the amenities available. N.C.C. and N.S.S. constitute two more prominent extra-curricular activities in addition to music, photography, web enthusiast and dramatic clubs of the Institute.

4. Computing Facilities and Campus Network:

NITK has a campus wide network spanning the entire campus – academic buildings, guest houses, student hostels and campus residences. Each department has its own LANs connected to this network. These LANs have adequate number of computers to cater to the needs of the department. The campus network uses 12 core optical fibre cabling for inter building connectivity with 1Gbps speed depending on the no. of computers in the end point LANs. Intra departmental and Hostel LANs are fast Ethernet (100 Mbps). Residences on a DSL (broad band) network with ADSL2 technology. The Institute has 24 x 7 Internet connectivity. The journals subscribed through INDEST consortium are available throughout the campus LAN. The Institute's network operations and data centre are in CCC. These are kept functioning round the clock. The Server capacity of the data centre is expanded to support the additional demands. The Institute is part of National Knowledge Network (NKN). The institute hosts the NPTEL video and text lessons in its service for the Campus Network. The present bandwidth is 1 Gbps to NKN and 155 Mbps to BSNL, both shared by the entire campus LAN.

5. Library Facilities:

NITK has a modern Central Library with more than two lakhs of documents consisting of Technical books, reports, standards, CD-ROMS, Audio Visual Educational Cassettes and back volumes of journals including book-bank section. The Library subscribes to 413 periodicals (print) - 136 Indian; 259 Foreign plus 4000 + e-Journals and 300 + e-Books besides a holding of 7000 + back volumes of journals. The Book-Bank books are entirely meant for issue to students on monthly basis. The central library is also extending its services to the local industries and educational institutions by giving membership facilities. For the benefit of the users, we are providing the open access facilities, Xerox facility, online database on e-journals and e-books. Library is fully automated and computerized information retrieval service- OPAC (Online Public Access Catalogue) is available at 10 different nodes in the library. Internet and online search facilities are also made available to the end users of the library.

Library has access to 3876 full text Print / online journals and 7156 abstract journals through Indian National Digital Library in Engineering, Science and Technology (INDEST). It coordinate and provide access to these online full text and abstract journals such as IEEE databases, Science Direct, Indian Standards, ASME, ASCE & Nature Journals, etc. Separate digital library unit is established for accessing digital resources. The library has taken up the membership with INFLIBNET, DELNET and Mangalore University, thereby facilitate to access to over 5000 additional online resources.

The Institute Library functions from 8.00 A.M to 12.00 midnight from Monday to Saturday, from 8.00 A.M. to 4.00 P.M. on Sunday and from 9.00 to 12.00 noon on General Holidays.

6. Courses of Study:

M. Sc. Programmes:

1. M.Sc.(CY) - M.Sc. in Chemistry
2. M.Sc.(PH) - M. Sc in Physics

7. Minimum Qualification/Eligibility:

M.Sc. Programmes: Full time two years (Four semesters) course:

Admission to M.Sc. Programme in Chemistry/ Physics shall be open to Indian nationals who have passed a Bachelor's degree in Chemistry /Physics with a Cumulative Grade Point Average (CGPA) of at least 6.5 in the 0-10 scale grading system, or not less than 60% marks in the aggregate (taking into account the marks scored in all the subjects of all the public/ university examinations conducted during the entire prescribed period for the degree programme). However, this prescribed minimum shall be a CGPA of 6.0 or 55% marks in the aggregate for SC/ST/PwD candidates.

"If the evaluation system in qualifying degree is in both CGPA and Marks, CGPA value will be considered. Also Conversion from Grade point system to Percentage system will not be considered."

Candidate appearing for the qualifying examination in the academic year 2016-17 and expecting their final results latest by **September 15, 2017** may also apply.

Departments, Course offered and Qualifying Examinations for M.Sc programmes are listed below:

S.N	Department	Course	Qualifying Examination
1.	Chemistry	M.Sc. (2 years)	B.Sc. Degree with Chemistry as one of the major subjects.
2.	Physics	M.Sc. (2 Years)	B. Sc. Degree with Physics and Maths as Major subjects.

8. Selection Procedure:

M.Sc Programmes: Selection of candidates for admission to M.Sc. (Chemistry & Physics) will be based upon the academic performance in the qualifying degree programme, written aptitude test conducted by the respective departments.

9. Intake:

Intake for M.Sc. Programme for 2017 – 18:

Department	Programme	OC	OBC	SC	ST	Sponsored	Total
Chemistry	M.Sc (Chemistry)	13	7	4	2	1	27
Physics	M.Sc.(Physics)	13	7	4	2	1	27

OC = Open Category / GM

Note:

- i) Reserved Seats unfilled due to non availability of SC/ST candidates will not be filled by candidates from OC/OBC.
- ii) Reservation for SC/ST/PWD(Persons With Disability) shall be as per Central Government rules.
- iii) Reservation of seats for OBC shall be as per GOI/MHRD norms.

10. How to Apply:

The Information Bulletin, Seat Matrix and Online Application portal for admission to M. Sc (Chemistry & Physics) programmes is available on the Institute website www.nitk.ac.in. The applicants need to register online with the portal. The registered candidates have to complete Online Application form and pay prescribed application fee, i.e. **Rs 500 (OC/OBC) and Rs 150 (SC/ST)** through SBI e-Collect.

The hardcopy of the completed application form with payment receipts and copy of necessary documents is to be sent to the Assistant Registrar (Academic), National Institute of Technology Karnataka, Surathkal, Srinivasnagar, Mangalore - 575 025, Karnataka, on or before the last date, i.e. 19.05.2017 (Friday). Applications which are incomplete / defective / received late are liable to be rejected summarily and no correspondence will be entertained on such applications. Candidates sponsored for the programme must get their applications forwarded through proper channel.

Note: Candidates called for written aptitude test will have to appear for test at their own cost. The test will be held at N.I.T.K., Surathkal.

Calendar of Events for admission to MSc Programmes 2017-18

Last Date for receiving completed applications (Hardcopy)	19.05.2017 (Friday)
Applications to be sent to the Departments for processing, on or before	24.05.2017(Wednesday)
Preparing preliminary merit-list or short-listing	30.05.2017 (Tuesday)
Email communication to the short-listed candidates, and announcement in the website by respective departments.	31.05.2017 (Wednesday)
Selection Test (Written Aptitude test)	16.06.2017 (Friday)
Last date for sending Recommended list to the office of Dean(Academic)	20.06.2017(Tuesday)
Publication of provisional selection/merit-list on website by Dean(Academic)	23.06.2017 (Friday)
Last date for Sending admission orders/letters	27.06.2017 (Tuesday)
Reporting Dates for Selection-List Candidates	27.06.2017 – 03.07.2017
Last Date for sending admission orders/letters to waiting-list candidates	10.07.2017 (Monday)
Last Date for Reporting, for waiting-list candidates	17.07.2017 (Monday)
Classes Begin	26.07.2017 (Wednesday)

11. Documents to be produced:**A. At the time of written aptitude test:**

1. Original marks card of all Semesters of Degree programme.
2. Date of Birth Certificate in Original (SSLC/X Std.)
3. Caste Certificate if belonging to SC/ST (original)
4. Caste certificate as per prescribed format for OBC candidates. (If applicable) from the Competent Authority issued after 31.03.2017.
5. Sponsorship Certificate, if applicable
6. Persons with Disabilities (PWD) certificate, if applicable.
7. Course completion Certificate from college (for result awaited candidates)

B. Documents to be submitted at the time of admission:

1. Admission order.
2. Original marks card of qualifying examinations (1st to Final Year) with two sets of duplicate copies. (The spelling and order of the name should be same in all the years of marks card, degree certificate and Migration Certificate).
3. Degree Certificate or Provisional Pass Certificate issued by the University.
4. Medical Certificate (general fitness).
5. Relieving Certificate in the case of Sponsored Candidates
6. Date of Birth Certificate in original(X Std. or SSLC)
7. Caste Certificate in case of SC/ST.
8. OBC Certificate (if applicable) from the competent authority issued after 31.03.2016.

9. Transfer Certificate
10. Conduct Certificate
11. Sponsorship Certificate (if sponsored)
12. Persons with Disabilities (PWD) certificate, if applicable.
13. Migration Certificate.
14. Course completion Certificate from college (by result awaited candidates)

Note: OBC candidates have to furnish the OBC certificate as per prescribed format. **Candidate can download the prescribed format for OBC Certificate from the NITK website (i.e. www.nitk.ac.in)**

12. Sponsored Candidates:

The candidates must have a minimum two years of full-time work experience in the relevant field in a registered firm/company/industry/educational and research institutions/any Government Departments or Government Autonomous Organisations after obtaining the qualifying degree.

A letter from the employer must be furnished stating that the candidate is being sponsored with full salary. The employer should also indicate that the candidate will not be withdrawn midway during the duration of the course.

13. Fees and Deposits:

Tentative Fee Structure for M.Sc. (Physics & Chemistry) Programmes for the year 2016-17 (I & II year):

Semester Fees	I Sem. Rs.	II Sem Rs.	III Sem Rs.	IV Sem. Rs.
Tuition fee	7500	7500	7500	7500
Library Fee	3000	-	3000	-
Central Computing facility Fee	2500	-	2500	-
Students Activities Fee	3475	-	3425	-
Group Insurance coverage of students	350	-	350	-
Security Deposit (refundable)	4000	-	-	-
Institute Development Contribution (IDC)	2000	2000	-	-
Convocation Fee	1000	1000	-	-
Swimming Pool Fee	1000	1000	-	-
Campus Development Fee	1000	1000	-	-
Alumni Association	1000	-	-	-
Hostel Fee (For Hosteller)				
i) Admission Fees	500	-	-	-
ii) Hostel Rent (including water/electricity charges)				
(i) Boys (Shared Accommodation)	4000	4000	4000	4000
(ii) Girls (Single room accommodation)	5000	5000	5000	5000

NOTE: Students are requested to note that their Admission Number (All Numeric, 6 digits) is to be used for ATM payment.

Mess Fees (At Hostel Office) for Hostellers

	<u>M Tech/Ph.D./MSc</u>
1. Admission Fee	100.00
2. Establishment Charges – per semester	6,500.00
3. Maintenance	900.00
4. Students Extra Curricular	500.00
5. Mess Advance – Every semester	15,000.00
	=====
	23,000.00*
	=====

*Mess Fee structure is tentative subject to revision.

14. For any queries please contact:

Department of Physics

Professor and Head of the Department
Department of Physics
National Institute of Technology Karnataka - Surathkal
P. O. Srinivasnagar, Mangalore - 575 025 Karnataka, India.
+ **Phone:** +91-0824-2473052
E-mail: pgadm@nitk.edu.in

Department of Chemistry

Professor and Head of the Department
Department of Chemistry
National Institute of Technology Karnataka, Surathkal
P. O. Srinivasnagar, Mangalore - 575 025
Phone: +91-0824-2474046, +91-824-2473043,
+91-824-2473202
E-mail: pgadm@nitk.edu.in

Note: Refund of fees and deposits paid for Institute admission:

Any student who withdraws admission before the closing date of admission is eligible for the refund of all the fees and deposits, after deduction of a processing fee of Rs.1000 /- (Rupees One Thousand Only)

Ragging: If any incident of ragging comes to the notice of the authority, concerned student shall be given liberty to explain and if his explanation is not found satisfactory, the authority would expel him / her from the institution.
